CLING TO ME: SIZE

How does the <u>size</u> of the balloon I rub on my hair affect …

	Observations		
	Size:	Size:	Notes
Paper			
Peanuts			
Cereal			

Which item is most attracted to the balloon? _____

Which item is least attracted to the balloon? _____

How does the size of the balloon affect the amount of objects it attracts? _____

_____

_____

Like charges repel and opposite charges attract.
If we touch two different objects together, charges move from one object to the other. This is static electricity — an imbalance of charges. You don't actually create charges, you just move them from one place to another. In doing so, one thing becomes more negatively charged while the other becomes more positively charged. In these experiments, you move a large number of negative charges from your hair to the balloon. The balloon now possesses an excess of negative charges (electrons). When you place the balloon near another object the protons in the object attract to the balloon's negative electrons.

Draw one of the experiment stations before and after the objects touch. Label the protons and electrons in the objects.

CLING TO ME: TIME

How does the <u>amount of time</u> I rub a balloon on my hair affect …

	Observations		
	# of seconds:	# of seconds:	Notes
Paper			
Peanuts			
Cereal			

Which item is most attracted to the balloon? _____

Which item is least attracted to the balloon? _____

How does the length of time you rub the balloon affect the amount of objects it attracts?

_____

_____

Like charges repel and opposite charges attract.
If we touch two different objects together, charges move from one object to the other. This is static electricity — an imbalance of charges. You don't actually create charges, you just move them from one place to another. In doing so, one thing becomes more negatively charged while the other becomes more positively charged. In these experiments, you move a large number of negative charges from your hair to the balloon. The balloon now possesses an excess of negative charges (electrons). When you place the balloon near another object the protons in the object attract to the balloon's negative electrons.

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